

Title (en)
METHOD OF MANUFACTURING SEAMLESS TUBE

Title (de)
VERFAHREN ZUR HERSTELLUNG EINES NAHTLOSEN ROHRS

Title (fr)
PROCÉDÉ DE FABRICATION DE TUBE SANS SOUDURE

Publication
EP 2258506 B1 20150520 (EN)

Application
EP 08873700 A 20081215

Priority
• JP 2008072735 W 20081215
• JP 2008091071 A 20080331

Abstract (en)
[origin: EP2258506A1] An object of the present invention is to provide a rotary cutting tool, a method of cutting a billet for manufacturing a seamless pipe, and a method of manufacturing the seamless pipe, which are capable of restraining the occurrence of an outer surface flaw on the seamless pipe. A rotary cutting tool 100 in accordance with the present invention has substantially circular shape and is provided with a plurality of blade parts 1 along the outer peripheral portion thereof. The end face 11 on the downstream side in the direction of rotation of the blade part 1 tilts at an angle , not smaller than 1 degree and not larger than 10 degrees with respect to the thickness direction Y intersecting at right angles to the direction of rotation X.

IPC 8 full level
B23D 21/00 (2006.01); **B23D 45/12** (2006.01); **B23D 45/18** (2006.01); **B23D 47/02** (2006.01); **B23D 61/02** (2006.01)

CPC (source: EP US)
B23D 45/12 (2013.01 - EP US); **B23D 45/18** (2013.01 - EP US); **B23D 47/02** (2013.01 - EP US); **B23D 61/02** (2013.01 - EP US); **Y10T 83/04** (2015.04 - EP US); **Y10T 83/9319** (2015.04 - EP US)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 2258506 A1 20101208; EP 2258506 A4 20140521; EP 2258506 B1 20150520; BR PI0822465 A2 20150616; BR PI0822465 A8 20150922; BR PI0822465 B1 20200924; CN 101980814 A 20110223; CN 101980814 B 20130410; JP 4385349 B2 20091216; JP WO2009122619 A1 20110728; MX 2010010814 A 20101221; US 2011041661 A1 20110224; WO 2009122619 A1 20091008

DOCDB simple family (application)
EP 08873700 A 20081215; BR PI0822465 A 20081215; CN 200880128348 A 20081215; JP 2008072735 W 20081215; JP 2009500642 A 20081215; MX 2010010814 A 20081215; US 93440408 A 20081215